

HI713 • HI717

Phosphate

Handheld Colorimeters

- Easier to use and more accurate than chemical test kits
- Dedicated to a single parameter
- Small size, big convenience
- Ideal for:
 - Aquaculture, natural, waste, agricultural and drinking waters

Orthophosphates are found in natural waters and wastewaters. They are commonly added to drinking water as a corrosion inhibitor. The instantaneous analysis of orthophosphates by colorimetric determination provides rapid results using a standard analysis technique.

The Hanna HI713 and HI717 Checker®HC bridges the gap between simple chemical test kits and professional instrumentation. Chemical test kits are not very accurate and only give only some points resolution, while professional instrumentation can cost hundreds of dollars and can be time-consuming to calibrate and maintain. The Hanna HI713 and HI717 Checker®HC's are accurate and affordable.

The HI713 Checker®HC portable handheld colorimeter features a resolution of 0.01 ppm and $\pm 0.04 \text{ ppm} \pm 4\%$ of reading accuracy. The HI713 Checker®HC uses an adaptation of the Ascorbic Acid method.

The HI717 Checker®HC portable handheld colorimeter features a resolution of 0.1 ppm and $\pm 1.0 \text{ ppm} \pm 5\%$ of reading accuracy. The HI717 Checker®HC uses an adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, Amino Acid method.



Specifications	HI713 (LR)	HI717 (HR)
Range	0.00 to 2.50 ppm	0.0 to 30.0 ppm
Resolution	0.01 ppm	0.1 ppm
Accuracy @ 25°C/77°F	$\pm 0.04 \text{ ppm} \pm 4\%$ of reading	$\pm 1.0 \text{ ppm} \pm 5\%$ of reading
Light Source	LED @ 525 nm	
Light Detector	silicon photocell	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Battery Type	(1) 1.5V AAA	
Auto-off	after two minutes of non-use	after ten minutes of non-use
Dimensions	81.5 x 61 x 37.5 mm (3.2 x 2.4 x 1.5")	
Weight	64 g (2.25 oz.)	
Method	adaptation of the Ascorbic Acid method	adaptation of the Standard Methods for the Examination of Water and Wastewater, 18th edition, Amino Acid method
Ordering Information	<p>HI713 Checker®HC is supplied with sample cuvettes with caps (2), phosphate LR reagent starter kit (reagents for 6 tests), battery, instructions and quick start guide.</p> <p>HI717 Checker®HC is supplied with sample cuvettes with caps (2), phosphate HR reagent starter kit (reagents for 20 tests), battery, instructions and quick start guide.</p>	

See a list of Checker® reagents and accessories on page 1.24